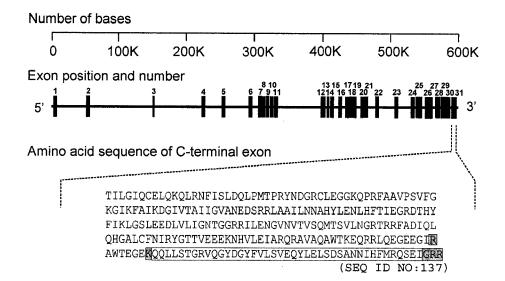
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FIGURE 6B



Appl. No. 10/510,959 Amdt. Dated May 7, 2009 Reply to Office Action of November 7, 2008 Replacement Sheet

Accession Numbers

Town Jan			
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Mammalian TCAP Sequences

nm_014253 (SEQ.ID.NO.69) xm_047995 (SEQ.ID.NO.78) ak001336 (SEQ.ID.NO.85) ak056531 (SEQ.ID.NO.94)	-NH2 nm_011855 (SEQ.ID.NO.37) nm_011856 (SEQ.ID.NO.46) nm_011857 (SEQ.ID.NO.53) ab025413 (SEQ.ID.NO.66)	nm_020088 (SEQ.ID.NO.78)
QQLLSTGRVQGYDGYFVLSVEQYLETSDSANNIHFMRQSHI-NH2 QQLLSTGRVQGYEGYYVLPVEQYPELADSSSNIQFLRQNEM-NH2 QLLSAGKVQGYDGYYVLSVEQYPELADSANNIQFLRQSHI-NH2 QQVDSTGRVQGYDGFFVISVEQYPELSDSANNIHFMRQSEM-NH2	QQLLGTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRGSEI-NH2 QQLLSTGRVQGYEGYYVLPVEQYPELADSSSNIQFLRONEM-NH2 nm_ QLLSAGKVQGYDGYYVLSVEQYPELADSANNIQFLROSEI-NH2 nm_ QQVENTGRVQGYDGFFVTSVEQYPELSDSANNIHFMRQSEM-NH2 abo	QQLLSTGRVQGYEGYYVLPVEQYPENADSSSNIQFLRQNEM-NH2
human TCAP 1 human TCAP 2 human TCAP 3 human TCAP 4	mouse TCAP 1 mouse TCAP 2 mouse TCAP 3	Rat TCAP 2

Avian TCAP Sequences

aj238613 (SEQ.ID.NO.101)	aj279031 (SEO.ID.NO.136)
QQLENTGRYQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI-NH2	OOLINTGRWOGYECYYVLPVEOYPELADSSSNIOFLRONEM-NHS
chicken TCAP 1	chicken TCAP 2

Piscine TCAP Sequences

not entered Yet (SEQ.ID.NO.13)	nm_130968 (SEQ.ID.NO.21) ab026980 (SEQ.ID.NO.30) (SEQ.ID.NO.103)
3 QLISGRKVLGYDGYYVLSIEQYPELADSANNIQFLRQSEI-NH2 not entered Yet (SEQ.ID.NO.13)	QLLSSGKVLGYDGYYVLSVEQYPELADSANNVQFLRQSEI-NH2 QQLLSSGRVQGYEGFYIVSVDQFPELTDNINNVHFWRQTEM-NH2 ELVQHGDVDGWNG1DIHSIHKYPQLADOPGNVAFQRDAK
Rainbow trout TCAP 3	zebrafish TCAP 3 zebrafish TCAP 4 Insect Drosopholia

FIGURE 7A

1. 1. 1.3

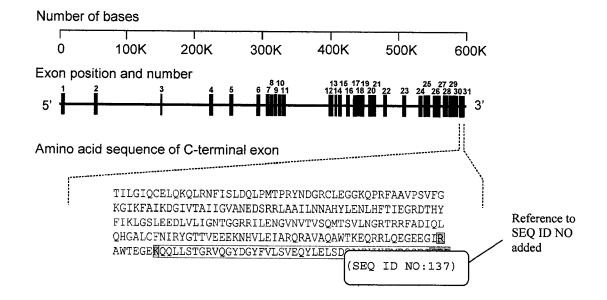
Appl. No. 10/510,959 Amdt. Dated May 7, 2009 Reply to Office Action of November 7, 2008 Replacement Sheet

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Odz1	M musculus	QLLGTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	G gallus	OLL NTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	16	76
Odz (odd Oz1/ten-m1) / tenascin M	H sapiens	QLL TGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	16	76
Mouse DOC4-like protein	H sapiens	QLLGTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	76	- 26
DOC4/Ten-m4 /odd Oz4	M musculus	QLATGRVQGYDG FVTSVEQYELSDSANNIHFMRQSE	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	H sapiens	Q L TGRVQGYDG FV SVEQYELSDSANNIHFMRQSE	93	85	95
Hypothetical protein/ DKFZp56400423,1 (fragment)	H sapiens	O LETTERVOGYDG FV SVEQYELSDSANNIHFWRQSE	93	85	95
odd Oz/ten-m3/ ODZ3	M musculus	QLLSKGWQGYDGYWVLSVEQYWELWDSANNI@FRQSEI	53	80	06
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	H sapiens	QLL SAGEVOGYDGY VLSVEQYZEL DSANNI FROSEI	53	80	06
Putative (AK011924)	M musculus	QLLSAG VQGYDGY VLSVEQYPEL DSANNI FROSEI	53	80	06
N/A	R trout	QLLSGR VEGYDGY VLS EQYPEL DSANNIOF ROSEI	13	80	96
Ten-m3	D rerio	QLLS GVEYDGY VLSVEQYBEL DSANNOF ROSEI	21	75	96
Neurestin alpha	R norvegicus	QLLSTGRVQGY GY VLPVEQYBELDS NIQFRQ E	77	70	96
Teneurin-2	G gallus	QLLSTGRVQGY GY VLPVEQY EL STRII FROME	11	70	06
Ten-m2/ ODZ2/ odd Oz2	M musculus	QLLSTGRVQGY GY VLPVEQY EL DS NI OF ROE	11	70	06
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	H sapiens	QLLETGRVQGY GY VLEVEQYEEL DS NIGF ROEE	77	70	06
Hypothetical protein	H sapiens	QLLSTGRVQGY GY VLEVEQYELLDS NIGF ROFE	77	70	06
Odd Oz/ten-m2	H sapiens	QLLSTGRVQGY GY VLEVEQYELLD NIGEROUS	77	70	06
Ten-m4	D rerio	QLLS GRVQGY GENES SV QUEEL DE INN HFWRQE	29	57	68
odd Oz/tenascin-like protein/Ten-m gene product	D melanogaster	L OHGDVPG GIT HS H YP L DDPGN AFORD	103	30	09

FIGURE 7B

Appl. No. 10/510,959 Amdt. Dated May 7, 2009 Reply to Office Action of November 7, 2008 Annotated Sheet Showing Changes

FIGURE 6B



Appl. No. 10/510,959
Amdt. Dated May 7, 2009
Reply to Office Action of November 7, 2008
Annotated Sheet Showing Changes

Accession Numbers	nm_014253 (SEQ.ID.NO.69) xm_047995 (SEQ.ID.NO.78) ak001336 (SEQ.ID.NO.85) ak056531 (SEQ.ID.NO.94)	-NH2 nm_011855 (SEQ.ID.NO.37) nm_011856 (SEQ.ID.NO.46) nm_011857 (SEQ.ID.NO.53) Typographical ab025413 (SEQ.ID.NO.66) error corrected "96" replaced nm_020088 (SEQ.ID.NO.78) with -46
nces	QOLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSFI-NH2 QOLLSTGRVQGYEGYYVLPVEQYPELADSSSNIQFLRONFM-NH2 QLLSAGKVQGYDGYYVLSVEQYPELADSANNIQFLROSFI-NH2 QQVLSTGRVQGYDGFFVISVEQYPFISDSANNIHFMRQSFM-NH2	QOLLGTGRVQGYDGYFVLSVEQYLEESDSANNIHEMROSEI-NH2 QOLLESTGRWQGYEGYYVLPVEQYPELADSSNIQFLRQNEM-NH2 nm QLLSAGKWQGYDGYYVLSVEQYPELADSANNIQFLRQSEI-NH2 nm QQVLNTGRWQGYDGFFVTSVEQYPELSDSANNIHEMRQSEM-NH2 ab(
Mammalian TCAP Sequences	human TCAP 1 human TCAP 2 human TCAP 3 human TCAP 4	mouse TCAP 1 mouse TCAP 2 mouse TCAP 3 mouse TCAP 4

Avian TCAP Sequences

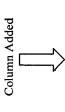
aj238613 (SEQ.ID.NO.101)	ai279031 (SEO.ID.NO.136)
QOL INTGRAQGYDGYFVLSVEQYLEISDSANNIHEMROSEI-NH2	VTGRVOGYEGYYVLPVECYPELADSSSNIO
chicken TCAP 1	chicken TCAP 2

Piscine TCAP Sequences

not entered Yet (SEQ.ID.No.13)	nm_130968 (SEQ.ID.NO.21) ab026980 (SEQ.ID.NO.30) (SEQ.ID.NO.103)
OLLSGRKWLGYDGYYVLSIEQYPanasannIQulkQsmI-NH2 not entered Yet (SEQ.ID.NO.13)	QLLSSGKVLGYDGYYVLSVEQYPELADSANNVQFLRGSEI-NH2 QQLLSSGRVQGYEGFYIVSVDQFPELTDNINNVHFWRGTEM-NH2 ELVQHGDVDGWNG1DIHSIHKYPQLADOPGNVAFQRDAK
Rainbow trout TCAP 3	zebrafish TCAP 3 zebrafish TCAP 4 Insect Drosopholia

FIGURE 7A

Appl. No. 10/510,959
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Annotated Sheet Showing Changes



Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Odz1	M musculus	QILGTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	G gallus	QLLMTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	-64	76
Odz (odd Oz1/ten-m1) / tenascin M	H sapiens	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	- 26	- 62
Mouse DOC4-like protein	H sapiens	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	16	16
DOC4/Ten-m4 /odd Oz4	M musculus	Q LATGRVQGYDG FV SVEQYPELSDSANNIHFMRQSE	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	H sapiens	Q LATGRVOGYDG FV SVEQYPELSDSANNIHFMROSE	93	85	95
Hypothetical protein/ DKFZp56400423.1 (fragment)	H sapiens	Q LATGRVQGYDG FV SVEQYELSDSANNIHFWRQSE	93	85	95
odd Oz/ten-m3/ ODZ3	M musculus	QLL&&GVQGYDGY VLSVEQYPEL DSANNI FROSEI	53	08	06
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	H sapiens	QLLSAGTVQGYDGY VLSVEQYBEL DSANNI OF RQSEI	53	80	06
Putative (AK011924)	M musculus	QLLSAG VQGYDGY VLSVEQYEL DSANNIQF RQSEI	53	80	06
N/A	R trout	QLLSGR VIGYDGY VLS EQYPEL DSANNIOF ROSEI	13	- 80	06
Ten-m3	D rerio	QLLS G VIGYDGY VLSVEQYEL DSANN OF ROSEI	21	75	06
Neurestin alpha	R norvegicus	QLL STGRVQGY GY VL PVEQYELLDS NIQF RQ E	77	70	06
Teneurin-2	G gallus	QLLSTGRVQGY GY VLBVEQYBEL SWINDFFRO	11	70	06
Ten-m2/ ODZ2/ odd Oz2	M musculus	QLLSTGRVQGY GY VLPVEQYELLEDS WILL FROME	77	70	06
Odd Oz/ren-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	H sapiens	QLL TGRVQGY GY VLPVEQYDEL DS TO TO E	77	70	06
Hypothetical protein	H sapiens	QLLSTGRVQGY GY VLEVEQYPEL DS TIN OF ROLE	77	70	06
Odd Oz/ten-m2	H sapiens	QLLSTGRVQGY GY VL VEQYELLED WINGF ROE	77	70	06
Ten-m4	D rerio	OLLS GRUDGY GENERAL DESTROYE	29	57	68
odd Oz/tenascin-like protein/Ten-m gene product	D melanogaster	L SECTIVES GET RS H YP L DEPEN REFER	103	30	60

FIGURE 7B